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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Carl Anderson, Ph. D. et al.

Art Unit: 2873

Serial No.: 10/646,858

Examiner: Unknown

Filed

: August 22, 2003

Title

3

: METHOD AND APPARATUS FOR MEASURING AND COMPENSATING

FOR SUBJECT MOTION DURING SCANNING

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	1	Application No. 10/646,858	
P Gormation Disclosure Statement by Applicant		Applicant Carl Anderson, Ph. D. et al.		
JUL 0 8 2004 E Use several s	heets if necessary)	Filing Date August 22, 2003	Group Art Unit 2873	

ATENT & TRADE			U.S. Patent	Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD					-	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

(Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner	Desig.			
Initial	ID	Document		
	AQ	Peter M. Bloomfield, et al., "The design and implementation of a motion correction scheme for neurological PET," Physics in Medicine and Biology, 48:959-978, 2003		
	AR	C. Dold, et al., "Updating of MRI Gradients Using a Infrared Tracking System to Compensate Motion Artifacts," Proc. Intl. Soc. Magn. Reson. Med. 11:742 (2004)		
	AS	Christian Dold, et al., "The compensation of head motion artifacts using an infrared tracking system and a new algorithm for fMRI," Fraunhofer-Institute for Computer Graphics, 1-7		
	AT	Roger R. Fulton, et al., "Correction for Head Movements in Positron Emission Tomography Using an Optical Motion-Tracking System," IEEE Transactions on Nuclear Science, 49(1):116-123, 2002		

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	t in conformance and not considered. Include copy of this form with
	Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)					
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Carl Anderson, Ph. D. et al.			
		Filing Date August 22, 2003	Group Art Unit 2873		

	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.				
Initial	ID	Document			
	AU	Roger R. Fulton, et al., "Errata to 'Correction for Head Movements in Positron Emission Tomography Using an Optical Motion-Tracking System'," IEEE Transactions on Nuclear Science, 49(4):2037-2038, 2002			
	AV	M. Zaitsev, et al., "Prospective Real-Time Slice-by-Slice 3D Motion Correction for EPI Using an External Optical Motion Tracking System," Proc. Intl. Soc. Mag. Reson. Med., 11:517, 2004			
	AW	M. Zaitsev, et al., "Imaging of Freely Moving Objects by Means of Real-Time Image Coordinates Update Using an External Optical Motion Tracking System," Fraunhofer-Institute for Computer Graphics, 1-6			
	AX	M. Zaitsev, et al., "Prospective Real-Time Slice-by-Slice 3D Motion Correction for EPI Using an External Optical Motion Tracking System," Fraunhofer-Institute for Computer Graphics, 1-15			

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